DATE: 09/27/2001

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OIPE

Input Set : A:\0020-4877P.ST25.txt Output Set: N:\CRF3\09272001\1884987.raw 3 <110> APPLICANT: NAGATA, Shiqekazu et al 5 <120 > TITLE OF INVENTION: DNA CODING FOR HUMAN CELL SURFACE ANTIGEN 7 <130> FILE REFERENCE: 0020-4877P 9 <140 > CURRENT APPLICATION NUMBER: US 09/884,987 10 <141> CURRENT FILING DATE: 2001-06-21 12 <160 > NUMBER OF SEQ ID NOS: 11 14 <170 > SOFTWARE: PatentIn version 3.0 16 <210> SEQ ID NO: 1 ENTERED 17 <211> LENGTH: 2534 18 <212> TYPE: DNA 19 <213 > ORGANISM: Homo sapiens 21 <220 > FEATURE: 22 <221> NAME/KEY: polyA_site 23 <222> LOCATION: (1831)..(1836) 25 <220> FEATURE: 26 <221> NAME/KEY: mat_peptide 27 < 222 > LOCATION: (243)..()29 <220> FEATURE: 30 <221> NAME/KEY: sig_peptide 31 <222> LOCATION: (195)..(242) 33 <220> FEATURE: 34 <221> NAME/KEY: CDS 35 <222> LOCATION: (195)..(1199) 37 <220> FEATURE: 38 <221> NAME/KEY: polyA_site 39 <222> LOCATION: (2352)..(2357) 41 <220> FEATURE: 42 <221> NAME/KEY: polyA_site 43 <222> LOCATION: (2518)..(2532) 45 - 400> SEQUENCE: 1 46 gacqcttctg gggagtgagg gaagcggttt acgagtgact tggctggagc ctcaggggcg 60 48 ggcactggca cggaacacac cotgaggcca gccctggctg cocaggcgga gctycotott 120 50 ctcccgcggg ttggtggacc cgctcagtac ggagttgggg aagctctttc acttcggagg 180 52 attgeteaac aace atg etg gge ate tgg ace etc eta eet etg gtt ett 230 53 Met Leu Gly Ile Trp Thr Leu Leu Pro Leu Val Leu 54 -15 -1056 acg tet get aga tta teg tee aaa agt gtt aat gee caa gtg act 278 57 Thr Ser Val Ala Arg Leu Ser Ser Lys Ser Val Asn Ala Gln Val Thr -1 1 60 gae ate aac tee aag gga ttg gaa ttg agg aag act gtt act aca gtt 326 61 Asp Ile Asn Ser Lys Gly Leu Glu Leu Arg Lys Thr Val Thr Thr Val 15 20

64 gag act cag aac ttg gaa ggc ctg cat cat gat ggc caa ttc tgc cat 65 Glu Thr Gln Asn Leu Glu Gly Leu His His Asp Gly Gln Phe Cys His

68 aag ded tgt det dea ggt gaa agg aaa get agg gad tgd ada gtd aat 69 Lys Pro Cys Pro Pro Gly Glu Arg Lys Ala Arg Asp Cys Thr Val Asn

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PATENT APPLICATION: US/09/884,987

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PATENT APPLICATION: US/09/884,987

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73 G1																
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77 As	р Гуз	Ala	His	Phe	Ser	Ser	Lys	Cys	Arg	Arg	Cys	Arg	Leu	Cys	Asp	
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93 Cy										-	-			_		
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97 As	_				-				-						-	
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109 Å								_	-							
110 2					210					215	_				220	
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113 Å																
114		1		225					230					235		
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1.11 A																
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125 H																
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128 g			t tat	act	ctt			aaa	att	caq			ato	ctc	aaq	1142
129 Å																_
130 2			4 -		290			<i>1</i> -		295					300	
132 g		t act	t agt	gac			aat	tca	aac			aat	qaa	atc		1190
133 Å																
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213 65		_		1	_				- 1	_	_ ,							
216 Phe Ser Ser Lys Cys Arg Arg Cys Arg Leu Cys Asp Glu Gly His Gly 217 85 90 95 220 Leu Glu Val Glu Ile Asn Cys Thr Arg Thr Gln Asn Thr Lys Cys Arg 221 100 105 110 224 Cys Lys Pro Asn Phe Phe Cys Asn Ser Thr Val Cys Glu His Cys Asp 225 115 120 125 228 Pro Cys Thr Lys Cys Glu His Gly Ile Ile Lys Glu Cys Thr Leu Thr			Cys	Val	Pro	Cys		Glu	Gly	Lys	Glu		Thr	Asp	Lys	A⊥a		
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TIME: 14:13:38

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Output Set: N:\CRF3\09272001\1884987.raw

232 Ser Asn Thr Lys Cys Lys Glu Glu Gly Ser Arg Ser Asn Leu Gly Trp 233 145 150 236 Leu Cys Leu Leu Leu Pro Ile Pro Leu Ile Val Trp Val Lys Arq 165 170 240 Lys Glu Val Gln Lys Thr Cys Arg Lys His Arg Lys Glu Asn Gln Gly 180 185 244 Ser His Glu Ser Pro Thr Leu Asn Pro Glu Thr Val Ala Ile Asn Leu 195 200 248 Ser Asp Val Asp Leu Ser Lys Tyr Ile Thr Thr Ile Ala Gly Val Met 210 215 220 252 Thr Leu Ser Gln Val Lys Gly Phe Val Arg Lys Asn Gly Val Asn Glu 230 256 Ala Lys Ile Asp Glu Ile Lys Asn Asp Asn Val Gln Asp Thr Ala Glu 245 250 260 Gln Lys Val Gln Leu Leu Arg Asn Trp His Gln Leu His Gly Lys Lys 260 265 264 Glu Ala Tyr Asp Thr Leu Ile Lys Asp Leu Lys Lys Ala Asn Leu Cys 265 275 280 268 Thr Leu Ala Glu Lys Ile Gln Thr Ile Ile Leu Lys Asp Ile Thr Ser 290 295 300 272 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val 310 276 <210> SEQ ID NO: 3 277 <211> LENGTH: 119 278 <212> TYPE: PRT 279 <213> ORGANISM: Homo sapiens 281 <400> SEQUENCE: 3 283 Gln Asn Leu Glu Gly Leu His His Asp Gly Gln Phe Cys His Lys Pro 284 1 5 286 Cys Pro Pro Gly Glu Arg Lys Ala Arg Asp Cys Thr Val Asn Gly Asp 20 25 289 Glu Pro Asp Cys Val Pro Cys Gln Glu Gly Lys Glu Tyr Thr Asp Lys 4.0 292 Ala His Phe Ser Ser Lys Cys Arg Arg Cys Arg Leu Cys Asp Glu Gly 55 295 His Gly Leu Glu Val Glu Ile Asn Cys Thr Arg Thr Gln Asn Thr Lys 298 Cys Arg Cys Lys Pro Asn Phe Phe Cys Asn Ser Thr Val Cys Glu His 299 90 85 301 Cys Asp Pro Cys Thr Lys Cys Glu His Gly Ile Ile Lys Glu Cys Thr 100 304 Leu Thr Ser Asn Thr Lys Cys 115 307 < 210 > SEQ ID NO: 4308 -: 211> LENGTH: 153 309 <212> TYPE: PRT 310 <213> ORGANISM: Homo sapiens 312 <400> SEQUENCE: 4 314 Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys

RAW SEQUENCE LISTING DATE: 09/27/2001 PATENT APPLICATION: US/09/884,987 TIME: 14:13:38

Input Set : A:\0020-4877P.ST25.txt
Output Set: N:\CRF3\09272001\1884987.raw

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315 1
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317 Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly
320 Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr
                                4.0
323 Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg
                            55
326 Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp
                        70
                                            7.5
329 Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu
                    85
                                        90
332 Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn Gly Thr Val
                                    105
335 His Leu Ser Cys Gln Clu Lys Gln Asn Thr Val Cys Thr Cys His Ala
336 115
                                120
338 Gly Phe Phe Leu Arg Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys
339 130
341 Lys Ser Leu Glu Cys Thr Lys Leu Cys
342 145
344 <210 > SEQ ID NO: 5
345 <211> LENGTH: 163
346 <212> TYPE: PRT
347 <213> ORGANISM: Homo sapiens
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354 Ser Lys Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr
                20
                                    25
357 Ser Asp Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu
           35
                                4.0
                                                    45
360 Trp Asn Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Asp
                            55
363 Asp Gln Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys
                        70
                                            75
366 Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys
367
369 Arg Leu Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala
               100
                                    105
372 Arg Pro Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro
           115
                               120
375 Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His
                           135
378 Gln Ile Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Met Asp Ala
379 145
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                                           155
381 Val Cys Thr
384 <210> SEQ ID NO: 6
385 <211> LENGTH: 159
386 <212> TYPE: PRT
387 <213> ORGANISM: Homo sapiens
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/884,987

DATE: 09/27/2001

TIME: 14:13:39

Input Set : A:\0020-4877P.ST25.txt

Output Set: N:\CRF3\09272001\I884987.raw